

What is claimed is:

- 1 1. A method of enhancing document transcoding, comprising steps of:
2 specifying one or more annotations; and
3 inserting one or more selected ones of the specified annotations in an a particular
4 document, thereby preparing the particular document for enhanced transcoding.
- 1 2. The method according to Claim 1, wherein the including step occurs programmatically.
- 1 3. The method according to Claim 2, further comprising the step of transcoding the
2 particular document using the inserted annotations.
- 1 4. The method according to Claim 1, wherein at least one of the specified annotations is
2 specified separately from the particular document.
- 1 5. The method according to Claim 1, wherein at least one of the specified annotations is
2 specified inline within the particular document
- 1 6. The method according to Claim 1, wherein at least one of the specified annotations
2 requests clipping content from a document.
- 1 7. The method according to Claim 1, wherein at least one of the specified annotations
2 describes changes to one or more form elements in a document.

1 8. The method according to Claim 1, wherein at least one of the specified annotations
2 prescribes one or more nodes to be replaced in a document.

1 9. The method according to Claim 1, wherein at least one of the specified annotations
2 specifies one or more (attribute name, attribute value) pairs to be inserted into a document.

1 10. The method according to Claim 1, wherein at least one of the specified annotations
2 specifies fine-grained transcoding preferences to be inserted into a document.

1 11. The method according to Claim 10, wherein the fine-grained transcoding preferences
2 pertain to a table in the document.

1 12. The method according to Claim 1, wherein at least one of the specified annotations
2 includes conditional syntax stating when the at least one annotation is to be inserted into a
3 document.

1 13. The method according to Claim 1, wherein at least one of the specified annotations
2 prescribes Hypertext Markup Language (“HTML”) syntax to be inserted into a document.

1 14. The method according to Claim 1, wherein at least one of the specified annotations
2 prescribes rendered markup language syntax to be inserted into a document.

1 15. The method according to Claim 1, wherein a location where each of the selected
2 annotations is to be inserted is specified as an attribute of that annotation.

1 16. The method according to Claim 15, wherein the location is expressed using positional
2 information that is based upon target tags in a target document.

1 17. The method according to Claim 16, wherein the positional information enables case-
2 insensitive matching of text in the target document.

1 18. The method according to Claim 16, wherein the positional information enables the
2 inserting step to operate with statically-generated document content as well as with dynamically-
3 generated document content.

1 19. The method according to Claim 17, wherein the text is to appear as a tag in the target
2 document.

1 20. The method according to Claim 17, wherein the text is to appear as an attribute value in
2 the target document.

1 21. The method according to Claim 15, wherein a definition of the annotation indicates
2 whether the annotation should be inserted before or after the location.

1 22. The method according to Claim 6, wherein the at least one specified annotation further
2 specifies one or more exceptions to the clipping of the content.

1 23. The method according to Claim 11, wherein the at least one specified annotation further
2 specifies one or more rows and/or columns to be clipped from the tables.

1 24. The method according to Claim 1, wherein a definition of a particular one of the specified
2 annotations states at least one (key, value) pair that indicates when this particular annotation is
3 applicable.

1 25. The method according to Claim 1, wherein an annotation file in which at least one of the
2 specified annotations is stored has an associated (key, value) pair that indicates when this
3 annotation file is applicable.

1 26. The method according to Claim 15, wherein the location is expressed using XPath
2 notation.

1 27. A method for annotating structured documents, comprising steps of:
2 receiving a request for a structured document;
3 locating one or more annotation files which contain annotations which are pertinent to the
4 request; and

5 inserting the pertinent annotations into the structured document, thereby creating an
6 annotated document.

1 28. The method according to Claim 27, further comprising the steps of:
2 applying the annotations in the annotated document, thereby creating a modified
3 document; and
4 transcoding the modified document, thereby creating a transcoded document.

1 29. The method according to Claim 28, further comprising the step of sending the transcoded
2 document to a device which issued the request.

1 30. A method for improved transcoding of structured documents, comprising steps of:
2 receiving a request for a structured document;
3 locating one or more annotation files which contain annotations which are pertinent to the
4 request;
5 applying the pertinent annotations to the structured document, thereby creating a modified
6 document; and
7 transcoding the modified document, thereby creating a transcoded document.

1 31. A system for improved transcoding of structured documents, comprising:
2 means for receiving a request for a structured document;
3 means for locating one or more annotation files which contain annotations which are

4 pertinent to the request;
5 means for applying the pertinent annotations to the structured document, thereby creating
6 a modified document; and
7 means for transcoding the modified document, thereby creating a transcoded document.

1 32. A computer program product for improved transcoding of structured documents, the
2 computer program product embodied on one or more computer-readable media and comprising:
3 computer-readable program code means for receiving a request for a structured document;
4 computer-readable program code means for locating one or more annotation files which
5 contain annotations which are pertinent to the request;
6 computer-readable program code means for applying the pertinent annotations to the
7 structured document, thereby creating a modified document; and
8 computer-readable program code means for transcoding the modified document, thereby
9 creating a transcoded document.